AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A semiconductor laser device which emits light at-an at least one oscillation wavelength, the laser device comprising a reflective film including a multilayer dielectric film, on at least one side of an optical exit face of a laser chip, wherein

the reflective film includes, in sequence from a side in contact with the laser chip, a first dielectric film-of having a refractive index n1, a second dielectric film-of having a refractive index n2, a third dielectric film-of having a refractive index n3, and a fourth dielectric film-of having a refractive index n4,-and

$$n2 = n4 < n1 < n3$$
, and

the reflective film has a reflectance within a range of 3% to 15% at at least one of the oscillation wavelengths.

2. (Currently Amended) A semiconductor laser device which emits light at-an at least one oscillation wavelength, the laser device comprising a reflective film including a multilayer dielectric film, on at least one side of an optical exit-faces face of a laser chip, wherein

the reflective film includes, in sequence from a side in contact with the laser chip, a first dielectric film-of having a refractive index n1, a second dielectric film-of having a refractive index n2, a third dielectric film-of having a refractive index n3, and a fourth dielectric film-of having a refractive index n4,-and

$$n2 = n4 < n3 < n1$$
, and

the reflective film has a reflectance within a range of 3% to 15% at at least one of the oscillation wavelengths.

- 3. (Currently Amended) The semiconductor laser device according to Claim 1, wherein each of the first, second, third, and fourth dielectric films has a thickness, in terms of optical length, within $\pm 30\%$ of a thickness that is an integer multiple of 1/4 of the at least one oscillation wavelength of the semiconductor laser device.
- 4. (Currently Amended) The semiconductor laser device according to Claim 2, wherein each of the first, second, third, and fourth dielectric films has a thickness, in terms of optical length, within $\pm 30\%$ of a thickness that is an integer multiple of 1/4 of the at least one oscillation wavelength of the semiconductor laser device.
- 5. (Currently Amended) A semiconductor laser device which emits light-of an at least one oscillation wavelength, λ , comprising:

a reflective film including a multilayer dielectric film, on at least one side of optical exit faces of a laser chip, wherein

the reflective film has a reflectance of 3% to 15% and includes, in sequence from a side in contact with the laser chip, a first dielectric film of a refractive index n1 and a thickness d1, a second dielectric film of a refractive index n2 and a thickness d2, a third dielectric film of a refractive index n3 and a thickness d3, and a fourth dielectric film of a refractive index n4 and a thickness d4,

the refractive index n1 satisfies $1.6 < n1 \le 1.9$, the refractive index n2 satisfies $1.3 \le n2 \le 1.6$, the refractive index n3 satisfies $1.9 < n3 \le 2.3$, and the refractive index n4 satisfies $1.3 \le n4 \le 1.6$, and

the thickness d1 is substantially equal to $(2*h + 1)\mathcal{N}(4*n1)$, the thickness d2 is substantially equal to $(2*i + 1)\mathcal{N}(4*n2)$, the thickness d3 is substantially equal to $(2*j + 1)\mathcal{N}(4*n3)$, and the thickness d4 is substantially equal to $(2*k + 1)\mathcal{N}(4*n4)$, and each of h, i, j, and k is zero or a positive integer.

6. (Currently Amended) A semiconductor laser device which emits light-of-an at least one oscillation wavelength λ , the laser device comprising:

a reflective film including a multilayer dielectric film, on at least one side of optical exit faces of a laser chip, wherein

the reflective film has a reflectance of 3% to 15% and includes, in sequence from a side in contact with the laser chip, a first dielectric film of a refractive index n1 and a thickness d1, a second dielectric film of a refractive index n2 and a thickness d2, a third dielectric film of a refractive index n3 and a thickness d3, and a fourth dielectric film of a refractive index n4 and a thickness d4,

the refractive index n1 satisfies $1.9 < n1 \le 2.3$, the refractive index n2 satisfies $1.3 \le n2 \le 1.6$, the refractive index n3 satisfies $1.6 < n3 \le 1.9$, and the refractive index n4 satisfies $1.3 \le n4 \le 1.6$, and

the thickness d1 is substantially equal to $(2*h + 1)\mathcal{N}(4*n1)$, the thickness d2 is substantially equal to $(2*i + 1)\mathcal{N}(4*n2)$, the thickness d3 is substantially equal to $(2*j + 1)\mathcal{N}(4*n3)$, and the thickness d4 is substantially equal to $(2*k + 1)\mathcal{N}(4*n4)$, each of h, i, j, and k is zero or a positive integer.

- 7. (Previously Presented) The semiconductor laser device according to Claim 1, wherein the first dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃, the second and fourth dielectric films are f selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂, and the third dielectric film is selected from the group consisting of Ta₂O₅, SiO, ZrO₂, ZnO, TiO, TiO₂, ZnS, Nb₂O₅, HfO₂, and AlN.
- 8. (Previously Presented) The semiconductor laser device according to Claim 5, wherein the first dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃, the second and fourth dielectric films are selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂, and the third dielectric film is selected from the group consisting of Ta₂O₅, SiO, ZrO₂, ZnO, TiO, TiO₂, ZnS, Nb₂O₅, HfO₂, and AlN.
- 9. (Previously Presented) The semiconductor laser device according to Claim 2, wherein the first dielectric film is selected from the group consisting of Ta₂O₅, SiO, ZrO₂,

ZnO, TiO₂, ZnS, Nb₂O₅, HfO₂, and AlN, the second and fourth dielectric films are selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂, and the third dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃.

- 10. (Previously Presented) The semiconductor laser device according to Claim 6, wherein the first dielectric film is selected from the group consisting of Ta₂O₅, SiO, ZrO₂, ZnO, TiO, TiO₂, ZnS, Nb₂O₅, HfO₂, and AlN, the second and fourth dielectric films are selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂, and the third dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃.
- 11. (Currently Amended) The semiconductor laser device according to Claim 1, including a fifth dielectric film and a sixth dielectric film—in on a first region of the reflective film,—other than but not on a light emitting point optical exit faces on second region of the laser-chip reflective film, and reflectance of the first region—other than the light emitting point is smaller than reflectance of the second region—of the light emitting point.
- 12. (Currently Amended) The semiconductor laser device according to Claim 2, including a fifth dielectric film and a sixth dielectric film—in on a first region of the reflective film,—other than but not on a—light emitting point optical—exit faces on second region of the—laser—chip reflective film, and reflectance of the first region—other—than the light emitting point is smaller than reflectance of the second region—of the light emitting point.
- 13. (Previously Presented) The semiconductor laser device according to Claim 11, wherein each of the fifth and sixth dielectric films has a thickness, in terms of optical length, within ±30% of range of an integral multiple of 1/4 of the oscillation wavelength of the semiconductor laser device.

- 14. (Previously Presented) The semiconductor laser device according to Claim 12, wherein each of the fifth and sixth dielectric films has a thickness, in terms of optical length, within $\pm 30\%$ of range of an integral multiple of 1/4 of the oscillation wavelength of the semiconductor laser device.
- 15. (Previously Presented) The semiconductor laser device according to Claim 13, wherein the fifth dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃, and the sixth dielectric film is selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂.
- 16. (Previously Presented) The semiconductor laser device according to Claim 14, wherein the fifth dielectric film is selected from the group consisting of Al₂O₃, CeF₃, NdF₃, MgO, and Y₂O₃, and the sixth dielectric film is selected from the group consisting of SiO₂, MgF₂, BaF₂, and CaF₂.

Claims 17-20 (Cancelled).

- 21. (New) A semiconductor laser device according to Claim 1, wherein the first dielectric film is in contact with the optical exit face.
- 22. (New) A semiconductor laser device according to Claim 2, wherein the first dielectric film is in contact with the optical exit face.